



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/726,571  
Applicant : Hasan KHATIB  
Filed : December 4, 2003

Docket No. : 011335.52842US  
Customer No. : 23911

Title : METHODS AND COMPOSITIONS FOR GENETICALLY  
DETECTING IMPROVED MILK PRODUCTION TRAITS IN  
CATTLE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §§ 1.97 and 1.98**

Sir:

In accordance with the duty of disclosure under 37 CFR §1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached Form PTO-1449 and/or listed herein and which the Examiner may deem relevant to patentability of the claims of the above-identified application.

The relevance of these references to the subject matter of the present invention is given in the specification of the present invention.

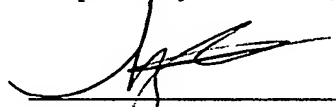
The present Information Disclosure Statement is being filed (1) no later than three months from the application's filing date or (2) before the mailing date of the first Office Action on the merits (whichever is later), and therefore no certification under 37 C.F.R. §1.97(e) or fee under 37 C.F.R. §1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

If necessary to effect a timely response, this paper should be considered as a petition for an Extension of Time sufficient to effect a timely response, and please charge any deficiency in fees or credit any overpayments to Deposit Account No. 05-1323 (Docket #011335.52842US).

May 11, 2004

Respectfully submitted,



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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/726,571		
		Filing Date	December 4, 2003		
		First Named Inventor	Hasan KHATIB		
		Art Unit			
Sheet	1	of	1	Examiner Name	
				Attorney Docket Number	011335.52842US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Chowanadisai, W. and Lonnerdal, B. (2002). $\alpha_1$ -Antitrypsin and antichymotrypsin in human milk: origin, concentrations, and stability. Am J Clin Nutr. 76:828-833.	
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		Kappes, S.M., Bennett, G.L., Keele, J.W., Echternkamp, S.E., Gregory, K.E. and Thallman, R.M. (2000). Initial results of genomic scans for ovulation rate in a cattle population selected for increased twinning rate. J Anim Sci. 78:3053-3059.	
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		Mosig, M.O., Lipkin, E., Khutoreskaya, G., Tchourzyna, E., Soller, M. and Friedmann A. (2001). A whole genome scan for quantitative trait loci affecting milk protein percentage in Israeli-Holstein cattle, by means of selective milk DNA pooling in a daughter design, using an adjusted false discovery rate criterion. Genetics. 157:1683-98.	
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		VanRaden, P.M., and Wiggans, G.R. (1991). Derivation, calculation, and the use of National Model Information. J. Dairy Sc. 74:2737-2746	
		Weller, J., Kashi, Y. and Soller, M. (1990). Daughter and granddaughter design for mapping of quantitative trait loci in dairy cattle. J. Dairy Sci. 73:2525-2537.	
Examiner Signature			Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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